

ABSTRACT

A dry distillation and volume reduction apparatus for waste comprising a superheated steam generator 1 for generating a superheated steam, a dry distillation and volume reduction vessel 2 for heating waste 5 and subjecting the same to dry distillation and volume reduction with the superheated steam supplied from the superheated steam generator 1, and heating gas supplier 4 for supplying exhaust gas of an engine 3 as a heat source for heating the superheated steam generator 1. Furthermore, the superheated steam can also be generated by producing a combustible gas by incomplete combustion of carbides 52 produced by heating of organic waste 52 in the dry distillation and volume reduction vessel 2 using heating gas supplier 4.

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